IN THE CLAIMS

21. (Currently Amended) Monocyclic compounds of formula (I)

wherein:

 $\begin{array}{c|c}
R_1 & R_2 \\
\hline
R_5 & X_4 & X_7 \\
\hline
R_4 & X_3 & (CH_2)_m \\
\hline
R_7 & R_8
\end{array}$ (I)

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15 X₁, X₂, X₃, X₄ are the same or different, and are selected from the group consisting of -CONR-, -NRCO-, -CH₂-NR-, and -NR-CH₂- where R is selected from the group consisting of H, C₁₋₃ alkyl, and benzyl;

f and m are the same or different, and is <u>are</u> a number selected from the group consisting of 0, 1 and 2;

 R_1 and R_2 , are the same or different, and represent:

-(CH₂)_r Ar where r is 0, 1 or 2 and Ar is an aromatic group selected from the group consisting of benzene, naphthalene, thiophene, benzothiophene, pyridine, quinoline, indole, furan, benzofuran, thiazole, benzothiazole, imidazole, benzoimidazole, optionally substituted with up to 2 substituents selected from the group consisting of C₁₋₃ alkyl, C₁₋₃ haloalkyl, C₁₋₃ alkyloxy, C₂₋₄ amino-alkyloxy, halogens, OH, NH₂, CN, and NR₆R₇, where R₆ and R₇, same or different, are H or C₁₋₃ alkyl,

R₃ is-(CH₂)_rAr₁ where r is 0, 1 or 2 and Ar₁ is an aromatic group selected from the group consisting of benzene, naphthalene, thiophene, benzothiophene, pyridine, quinoline, indole, furan, benzofuran, thiazole, benzothiazole, imidazole, and benzimidazole,

optionally substituted with up to 2 groups selected from the group consisting of C₁₋₃ alkyl, C₁₋₃ haloalkyl, C₁₋₃ alkyloxy, amino-alkyloxy, halogens, OH, NH₂, and NR₆R₇, where R₆ and R₇, same or different, are H or C₁₋₃ alkyl,

Rs is H,

furan and CN;

substituted by a hydroxy group;

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- R₄ is -NR₈R₉/;-N(R₁₁)CO(CH₂)_h R₁₂; or -COR₁₃; where R₈ is H or C₁₋₃ alkyl; h is 0, 1, 2 or 3; and R₉ is selected from the group consisting of methanesulfonyl, tosyl, tetrahydropyranyl, tetrahydrothiopyranyl optionally mono or di-substituted by oxygen on the S atom, piperidyl, optionally substituted on the N-atom by a C₁₋₃ alkyl, C₁₋₃ acyl, aminosulfonyl, or methanesulfonyl; or a group -(CH₂)₈gR₁₀ where g is 1,2, or 3 and R₁₀ is selected from the group consisting of morpholine,
 - or R₈ and R₉ together with the N atom to which they are linked form a piperazine optionally substituted at the other N atom substituted by a C₁₋₃ alkyl, C₁₋₃ acyl or methanesulfonyl;

 -N(R₁₁)CO(CH₂)_bR₁₂ where R₁₁ is H or C₁₋₃ alkyl; h is 0, 1, 2 or 3; and R₁₂ is selected from the group consisting of morpholine, pyrrolidine optionally substituted with a hydroxy or hydroxymethyl, piperidine optionally substituted with a 4-hydroxy/or 4-carboxyamido, or 4-aminosulfonyl group/piperazine optionally substituted on the N-atom by a member selected from the group consisting of

4-aminosulfonyl C₁₋₃ alkyl, triazole, tetrazole, 5-mercapto-tetrazole, furan, thiophene, and

thiomorpholine, optionally mono or di-oxygenated on the S-atom/and amino-cyclohexane optionally

20 -COR₁₃ wherein where R₁₃ is a member selected from the group consisting of morpholine and piperazine optionally substituted by a C₂₋₆ alkyl containing one or more hydroxy groups; their enantiomers and mixtures thereof, their diastereoisomers, and their pharmaceutically acceptable salts.

22. (Previously Amended)

Compound according to Claim 21 wherein:

f is 1

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m is 0

X₁, X₂, X₃, X₄, are the same or different and are a member selected from the group consisting of -CONR- and -NRCO-,

where R is H or methyl,

R₁ and R₂ are the same or different, are:

-CH₂Ar wherein Ar is an aromatic group selected from the group consisting of benzene, pyridine, indole, optionally substituted with up to two substituents selected from the group consisting of C₁₋₃ alkyl, C₁₋₃ haloalkyl, C₁₋₃ alkyloxy, C₂₋₄ amino alkyloxy, halogens, OH, NH₂, CN, and NR₆R₇, where R₆ and R₇, same or different, and are H or C₁₋₃ alkyl;

R₃ is -CH₂Ar₁ wherein Ar₁ is an aromatic group selected from the group consisting of alpha naphthyl, beta naphthyl, phenyl, phenyl substituted with up to two substituents selected from the group consisting of C₁₋₃ alkyl, C₁₋₃ haloalkyl, C₁₋₃alkyloxy, halogens, OH, and NH₂.

- 23. (Currently Amended) Compounds according to Claim 22 wherein:
- X₁, X₂, X₃, X₄ are -CONH-,
- R₁ is indol-3-yl-methyl
- R₂ is phenyl-methyl optionally substituted with up to two substituents selected from the group consisting of chlorine, fluorine, CF₃, OH and CN₇; or are is selected from the group consisting of 3-pyridyl-methyl and 4-pyridyl-methyl;
 - R₃ is benzyl.

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24. (Previously Added) Compounds according to claim 23 wherein: $R_4 \text{ is a group } NR_8R_9 \text{ wherein:}$ $R_8 \text{ is H or methyl;}$

R₉ selected from the group consisting of 4-tetrahydropyranyl, 4-tetrahydrothiopyranyl, 1-oxotetrahydrothiopyran-4-yl, 1,1-dioxo-tetrahydrothiopyran-4-yl, N-methyl-4-piperidinyl, Nmethanesulfonyl-4-piperidinyl, and N-aminosulfonyl-4-piperidinyl,

or R₈ and R₉ together with the N atom to which they are linked represent N-methyl-piperazinyl, N-acetyl-piperazinyl or N-methanesulfonyl-piperazinyl.

- 25. (Previously Amended) Compounds according to Claim 24 represented by:
- i) cyclo{Suc[1-(R)-(4-tetrahydropyranyl)amino]-Trp-Phe-[(R)-NH-CH(CH₂-C₆H₅)-CH₂NH]}
- ii) cyclo{Suc[1-(S)-(4-tetrahydropyranyl)amino]-Trp-Phe-[(R)-NH-CH(CH₂-C₆H₅)-CH₂NH]}
- iii) cyclo{Suc[1-(R)-(1-methyl-piperidin-4-yl)amino]-Trp-Phe-[(R)-NH-CH(CH₂-C₆H₅)-CH₂NH]}
- 15 iv) cyclo{Suc[1-(R)-(4-tetrahydrothiopyranyl)amino]-Trp-Phe-[(R)-NH-CH(CH₂-C₆H₅)-CH₂NH]}
 - v) cyclo{Suc[1-(R)-(1-oxo-tetrahydrothiopyran-4-yl)amino]-Trp-Phe-[(R)-NH-CH(CH₂-C₆H₅)
 - -CH2NH]}
 - vi) cyclo{Suc[1-(R)-(1,1-dioxo-tetrahydrothiopyran-4-yl)amino]-Trp-Phe-[(R)-NH-CH(CH₂-C₆H₅)
 - -CH2NH]}
- vii)cyclo{Suc[1-(R)-N-methyl-N-(4-tetrahydropyranyl)amino]-Trp-Phe-[(R)-NH-CH(CH₂-C₆H₅) -CH₂NH]}
 - viii) cyclo{Suc[1-(R)-(4-tetrahydropyranyl)amino]-Trp-Tyr-[(R)-NH-CH(CH₂-C₆H₅)-CH₂NH]}
 - ix) cyclo{Suc[1-(R)-(4-tetrahydropyranyl)amino]-Trp-Phe(4-F)-[(R)-NH-CH(CH2-C6H5)-CH2NH]}
 - x) cyclo{Suc[1-(R)-(4-tetrahydropyranyl)amino]-Trp-Phe(3,5-F)-[(R)-NH-CH(CH₂-C₆H₅)
- 25 -CH₂NH]

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xi) cyclo{Suc[1-(R)-(4-tetrahydropyranyl)amino]-Trp-Phe(4-CN)-[(R)-NH-CH(CH<sub>2</sub>-C<sub>6</sub>H<sub>5</sub>)
        -CH<sub>2</sub>NH]}
        xii) cyclo{Suc[1-(R)-(4-tetrahydropyranyl)amino]-Trp-Phe(4-CF3)-[(R)-NH-CH (CH<sub>2</sub>-C<sub>6</sub>H<sub>5</sub>)
        -CH<sub>2</sub>NH]}
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       xiii) cyclo{Suc[1-(R)-(4-tetrahydropyranyl)amino]-Trp-Ala(4-pyridyl)-[(R)-NH-CH(CH<sub>2</sub>-C<sub>6</sub>H<sub>5</sub>)
        -CH<sub>2</sub>NH]}
       xiv) cyclo{Suc[1-(R)-(4-tetrahydropyranyl)amino]-Trp-Ala(3-pyridyl)-[(R)-NH-CH(CH<sub>2</sub>-C<sub>6</sub>H<sub>5</sub>)
        -CH<sub>2</sub>NH]
       xv) cyclo{Suc[1-(R)-(1-methylsulfonyl-piperidin-4-yl)amino]-Trp-Phe-[(R)-NH-CH(CH<sub>2</sub>-C<sub>6</sub>H<sub>5</sub>)
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       -CH<sub>2</sub>NH]}
       xvi) cyclo{Suc[1-(R)-(1-aminosulfonyl-piperidin-4-yl)amino]-Trp-Phe-[(R)-NH-CH(CH<sub>2</sub>-C<sub>6</sub>H<sub>5</sub>)
       -CH<sub>2</sub>NH]}
       xvii) cyclo{Suc[1-(R)-4-methyl-piperazin-1-yl]-Trp-Phe-[(R)-NH-CH(CH<sub>2</sub>-C<sub>6</sub>H<sub>5</sub>)-CH<sub>2</sub>NH]}
15
       xviii) cyclo{Suc[1-(R)-4-acetyl-piperazin-1-yl]-Trp-Phe-[(R)-NH-CH(CH<sub>2</sub>-C<sub>6</sub>H<sub>5</sub>)-CH<sub>2</sub>NH]} or
       xix) cyclo{Suc[1-(R)-4-methylsulfonyl-piperazin-1-yl]-Trp-Phe-[(R)-NH-CH(CH<sub>2</sub>-C<sub>6</sub>H<sub>5</sub>)-CH<sub>2</sub>NH]}.
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- 26. (Previously Amended) Compounds according to Claim 23 wherein:

 R₄ represents a group NR₈R₉, where R₈ is H and R₉ is methanesulfonyl, tosyl or a group

 -(CH₂)₈R₁₀, wherein g is 1 or 2 and R₁₀ is morpholine, furan, or CN.
- 27. (Previously Amended) Compounds according to claim 26 represented by:

 xx) cyclo{Suc[1-(S)-methylsulfonylamino]-Trp-Phe-[(R)-NH-CH(CH₂-C₆H₅)-CH₂NH]}

 xxi) cyclo{Suc[1-(R)-methylsulfonylamino]-Trp-Phe-[(R)-NH-CH(CH₂-C₆H₅)-CH₂NH]}

xxii) cyclo{Suc[1-(S)-(4-methylphenyl)sulfonylamino]-Trp-Phe-[(R)-NH-CH(CH₂-C₆H₅)-CH₂NH]}
xxiii) cyclo{Suc[1-(R)-(4-methylphenyl)sulfonylamino]-Trp-Phe-[(R)-NH-CH(CH₂-C₆H₅)-CH₂NH]}
xxiv) cyclo{Suc[1-(S)-2-(4-morpholino)ethylamino]-Trp-Phe-[(R)-NH-CH(CH₂-C₆H₅)-CH₂NH]}
xxv) cyclo{Suc[1-(R)-2-(4-morpholino)ethylamino]-Trp-Phe-[(R)-NH-CH(CH₂-C₆H₅)-CH₂NH]} or
xxvii) cyclo{Suc[1-(R)-(2-furyl)methylamino]-Trp-Phe-[(R)-NH-CH(CH₂-C₆H₅)-CH₂NH]} or

- 10 28. (Currently Amended) Compounds according to claim 23 wherein:

 R₄ is a group N(R₁₁)CO(CH₂)_h-R₁₂ wherein R₁₁ is H, h is 0 or 1, and R₁₂ is selected from the group consisting of 1-tetrazolyl, 5-mercapto-tetrazol-1-yl, 1-triazolyl, furanyl, thiophenyl, morpholine, 4-hydroxy-piperidine, 4-carboxyamido-piperidine, 3-hydroxy-pyrrolidine, 2-hydroxymethylpyrrolidine, 4-methyl-piperazine, 4-aminosulfonyl piperazine and 1-oxo-thiomorpholine, and 4-hydroxy-cyclohexan-1-yl-amino.
 - 29. (Currently Amended) Compounds according to Claim 28 represented by: $xxviii) \ cyclo \{Suc[1-(R)-2-(4-morpholino)acetylamino]-Trp-Phe-[(R)-NH-CH(CH_2-C_6H_5)-CH_2NH]\}$
- 20 xxix) cyclo{Suc[1-(S)-2-(4-morpholino)acetylamino]-Trp-Phe-[(R)-NH-CH(CH₂-C₆H₅)-CH₂NH]}
 xxx) cyclo{Suc[1-(S)-2-(tetrazol-1-yl)acetylamino]-Trp-Phe-[(R)-NH-CH(CH₂-C₆H₅)-CH₂NH]}
 xxxi) cyclo{Suc[1-(R)-2-(tetrazol-1-yl)acetylamino]-Trp-Phe-[(R)-NH-CH(CH₂-C₆H₅)-CH₂NH]}
 xxxii) cyclo{Suc[1-(S)-2-(5-mercapto-tetrazol-1-yl)acetylamino]-Trp-Phe-[(R)-NH-CH(CH₂-C₆H₅)
 -CH₂NH]}
- 25 xxxiii) cyclo{Suc[1-(R)-2-([1,2,4]triazol-1-yl)acetylamino]-Trp-Phe-[(R)-NH-CH(CH₂ -C₆H₅)CH₂NH]}
 xxxiv) cyclo{Suc[1-(R)-2-(furanyl)carbonylamino]-Trp-Phe-[(R)-NH-CH(CH₂-C₆H₅)-CH₂NH]}

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xxxv) cyclo {Suc[1-(R)-2-(thiophen-3-yl)acetylamino]-Trp-Phe-[(R)-NH-CH(CH<sub>2</sub>-C<sub>6</sub>H<sub>5</sub>)-CH<sub>2</sub>NH]}
xxxvi) cyclo{Suc[1-(R)-(4-morpholino)carbonylamino]-Trp-Phe-[(R)-NH-CH(CH<sub>2</sub>-C<sub>6</sub>H<sub>5</sub>)-CH<sub>2</sub>NH]}
xxxvii) cyclo{Suc[1-(R)-2-(4-hydroxy-piperidin-1-yl)acetylamino]-Trp-Phe-[(R)-NH-CH(CH<sub>2</sub>
-C_6H_5)-CH_2NH]
xxxviii) cyclo{Suc[1-(R)-2-(4-aminocarbonyl-piperidin-1-yl)acetylamino]-Trp-Phe-[(R)-NH
-CH(CH<sub>2</sub>-C<sub>6</sub>H<sub>5</sub>)-CH<sub>2</sub>NH]}
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 - xxxix) cyclo{Suc[1-(R)-2-(3-hydroxy-pyrrolidin-1-yl)acetylamino]-Trp-Phe-[(R)-NH-CH(CH₂ $-C_6H_5$)- CH_2NH
 - xl) cyclo{Suc[1-(R)-2-(2-(S)-hydroxymethyl-pyrrolidin-1-yl)acetylamino]-Trp-Phe-[(R)
- 10 $-NH-CH(CH_2-C_6H_5)-CH_2NH$

- xli) cyclo{Suc[1-(R)-2-(4-methyl-piperazin-1-yl)acetylamino]-Trp-Phe-[(R)-NH-CH(CH₂-C₆H₅) -CH₂NH]}
- xlii) cyclo{Suc[1-(R)-2-(4-methyl-piperazin-1-yl)carbonylamino]-Trp-Phe-[(R)-NH-CH(CH₂-C₆H₅) -CH₂NH]} or
- 15 xliii) cyclo{Suc[1-(R)-2-(4-aminosulfonyl-piperazin-1-yl)acetylamino]-Trp-Phe-[(R)-NH-CH(CH₂ -C6H4)-CH2NHI}
 - xliii xliv) cyclo{Suc[1-(R)-2-(1-oxo-thiomorpholin-4-yl)acetylamino]-Trp-Phe-[(R)-NH-CH(CH₂- C_6H_5)- CH_2NH]} or
- xlv) cyclo{Suc[1-(R)-2-(trans-4-hydroxy-cyclohexan-1-yl-amino)acetylamino]-Trp-Phe-[(R)-NH 20 $-CH(CH_2-C_6H_5)-CH_2NH_1$.
 - 30. (Previously Amended) Compounds according to Claim 23 wherein: R₄ represents a group COR₁₃ wherein R₁₃ is morpholine.
 - 31. (Previously Amended) Compounds according to claim 30 represented by:

xlvi) cyclo{Suc[1-(4-morpholino)carbonyl]-Trp-Phe-[(R)-NH-CH(CH₂- C_6H_5)-CH₂NH]}.

- 32. (Previously Added) Pharmaceutical compositions containing as active principle compounds of general formula (I) according to Claim 21 in combination with pharmaceutically acceptable carriers or excipients.
- 33. (Previously Added) A method for the treatment of the bronchospastic component of asthma, cough, pulmonary irritation, intestinal spasms or local spasms of bladder, ureters during cystitis, kidney infections and colics wherein amounts of 0.1 to 10mg/kg body weight of an active principle represented by compounds of formula (I) according to Claim 21 are administered to the patient.
 - 34. (New) Monocyclic compounds of formula (I)

wherein:

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 X_1 , X_2 , X_3 , X_4 are the same or different, and are selected from the group consisting of -CONR-, -NRCO-, -CH₂-NR-, and -NR-CH₂- where R is selected from the group consisting of H,

25 C_{1-3} alkyl, and benzyl;

f and m are the same or different, and are a number selected from the group consisting of 0, 1 and 2; R_1 and R_2 , are the same or different, and represent:

-(CH₂)_r Ar where r is 0, 1 or 2 and Ar is an aromatic group selected from the group consisting of benzene, naphthalene, thiophene, benzothiophene, pyridine, quinoline, indole, furan, benzofuran, thiazole, benzothiazole, imidazole, benzoimidazole, optionally substituted with up to 2 substituents

selected from the group consisting of C₁₋₃ alkyl, C₁₋₃ haloalkyl, C₁₋₃ alkyloxy, C₂₋₄ amino-alkyloxy, halogens, OH, NH₂, CN, and NR₆R₇, where R₆ and R₇, same or different, are H or C₁₋₃ alkyl, R₃ is-(CH₂)_rAr₁ where r is 0, 1 or 2 and Ar₁ is an aromatic group selected from the group consisting of benzene, naphthalene, thiophene, benzothiophene, pyridine, quinoline, indole, furan, benzofuran, thiazole, benzothiazole, imidazole, and benzimidazole,

optionally substituted with up to 2 groups selected from the group consisting of $C_{1\cdot3}$ alkyl, $C_{1\cdot3}$ haloalkyl, $C_{1\cdot3}$ alkyloxy, amino-alkyloxy, halogens, OH, NH₂, and NR₆R₇, where R₆ and R₇, same or different, are H or $C_{1\cdot3}$ alkyl,

Rs is H,

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- R₄ is -NR₈R₉;-N(R₁₁)CO(CH₂)_h R₁₂; or -COR₁₃; where R₈ is H or C₁₋₃ alkyl; h is 0, 1, 2 or 3; and R₉ is selected from the group consisting of methanesulfonyl, tosyl, tetrahydropyranyl, tetrahydrothiopyranyl optionally mono or di-substituted by oxygen on the S atom, piperidyl, optionally substituted on the N-atom by a C₁₋₃ alkyl, C₁₋₃ acyl, aminosulfonyl, or methanesulfonyl; or a group -(CH₂)_gR₁₀ where g is 1, 2, or 3 and R₁₀ is selected from the group consisting of morpholine,
- 15 furan and CN;

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or R₈ and R₉ together with the N atom to which they are linked form a piperazine optionally substituted at the other N atom by a C₁₋₃ alkyl, C₁₋₃ acyl or methanesulfonyl; where R₁₁ is H or C₁₋₃ alkyl; h is 0, 1, 2 or 3; and R₁₂ is selected from the group consisting of 1-tetrazolyl, 5-mercapto-tetrazol-1-yl, 1-triazolyl, furanyl, thiophenyl, morpholine, 4-hydroxy-piperidine, 4-carboxyamido-piperidine, 3-hydroxy-pyrrolidine, 2-hydroxymethylpyrrolidine, 4-methyl-piperazine, 4-aminosulfonyl-piperazine, 1-oxo-thiomorpholine and 4-hydroxy-cyclohexan-1-yl-amino; and

where R₁₃ is a member selected from the group consisting of morpholine and piperazine optionally substituted by a C₂₋₆ alkyl containing one or more hydroxy groups;

their enantiomers and mixtures thereof, their diastereoisomers, and their pharmaceutically acceptable salts.

- 5 35. (New) Compounds according to claim 34 represented by:
 - i) cyclo{Suc[1-(R)-2-(4-aminosulfonyl-piperazin-1-yl)acetylamino]-Trp-Phe-[(R)-NH-CH(CH₂
 - $-C_6H_5$)- CH_2NH]} or
 - ii) cyclo{Suc[1-(R)-2-(trans--4-hydroxy-cyclohexan-1-yl-amino)acetylamino]-Trp-Phe-[(R)-NH
 - $-CH(CH_2-C_6H_5)-CH_2NH]$.